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anti-BBS10 antibody (C-Term)

2 Images



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Quantity:	100 μL
Target:	BBS10
Binding Specificity:	C-Term
Reactivity:	Human, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BBS10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human BBS10
Sequence:	SQTGLESVMG KYQLLTSVLQ CLTKILTIDM VITVKRHPQK VHNQDSEDEL
Predicted Reactivity:	Human: 100%, Rabbit: 86%
Characteristics:	This is a rabbit polyclonal antibody against BBS10. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	BBS10
Alternative Name:	BBS10 (BBS10 Products)
Background:	This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome

is an autosomal recessive disorder characterized by progressive retinal degeneration, obesity, polydactyly, renal malformation and mental retardation. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene is likely not a ciliary protein but rather has distant sequence homology to type II chaperonins. As a molecular chaperone, this protein may affect the folding or stability of other ciliary or basal body proteins. Inhibition of this protein's expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10.

Alias Symbols: C12orf58, FLJ23560

Protein Interaction Partner: UBC, YAE1D1, MAPK8IP2, HDAC6, TNFSF11, MAP3K7, RGS2,

RASA1, PTK2, MAPK6, NR4A1, FRZB, CSNK1E,

Protein Size: 723

Molecular Weight:	81 kDa
Gene ID:	79738
NCBI Accession:	NM_024685, NP_078961
UniProt	O8TAM1

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 723 AA
Restrictions:	For Research Use only

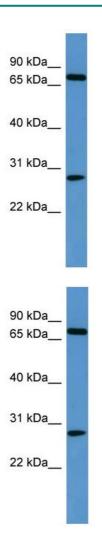
Handling

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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-BBS10 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: 293T cell lysate

Western Blotting

Image 2. WB Suggested Anti-BBS10

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control:.93T cell lysate

BBS10 is supported by BioGPS gene expression data to be

expressed in HEK293T